



## SWARC NEWS

### Notes from KK4BK

Now is the time for all good men to come to the aid of their club...

No this is not typing class all over again – but as I was reading another club's newsletter (page5, From the Editor), an editorial came up that really reached out to me. It was informative, interesting and while not totally usable by us, it shows how HAM Radio is of benefit to communities and HAM operators alike.

Many of you are associated with other clubs, so if you find something of interest – send it to Richard or me. It may end up in a newsletter for all.

SWARC de KK4BK

### VP Ramblings from K7RLH

Following some of the discussion during our monthly Zoom meeting and on Tuesday evening's net, I think we should have an in-person auction/meeting during March at American Legion Post 116. Two of our distinguished members have equipment for sale and they preferred the face-to-face auction that such a meeting affords.

Our/my intent is to have a Zoom video/audio connection via the projection screen at the Legion Hall. Therefore, those that don't feel safe in attending can still be participants in the process if so desired.

Looking ahead to Field Day, our feeling is that most of COVID restrictions should be gone by then and we can plan a long-awaited social gathering and

cookout. So, be thinking about your participation and plan to leave that weekend open for this event.

Send me any program ideas that you might think of because I don't want to do this all in a vacuum.

73, Richard

## Meeting Notes

### **SWARC 1 February Meeting Minutes**

The meeting was called to order on-the-web at 7:00 pm sharp by President Brian Knox, KK4BK. We were once again social distancing via Zoom from the comfort of our homes. The customary equipment auction originally envisioned for this month's meeting was postponed to a later date.

We had excellent attendance this month with twenty-three (23) attendees present during the meeting including:

Richard Hall (K7RLH), Brian Knox (KK4BK), Mike Callam (KD4MC), Bill Blomgren (KK4QDZ), Andy McDaniel (KN4JJU), Al Crawford (WA4TCJ), Linda Crawford (KI4LO), Steve Mowels (KA0GMY), Mike Ramsey (KD4OKR), Ken Castille (KN4GUS), Ron Cooney from Texas (K4AAA), Manny Garcia (KB4NC), Bernie Jones (N4BAJ), Dave Yow (K4MSE), Dave Krum (NW3U), Kenny Southern (KJ4CVK), Charley Bratton (KE4QBW), Mike Kane (KM4GOD), Wally Courie (NC1NC), Steven Suzanne (KO4BHS), Mauricio Castro (KB1ATD), Ken Bigley (KO4DHJ), and Sandy Gerli (AC1Y).

As customary Bernie led the Pledge of Allegiance with the group.

Old Business:

Brian provided an overview of the club's finances. In January we had additions of \$147 from dues, \$600 in subtractions for repeater repair donations to Danny Hampton (K4ITL), for a current club balance of \$1,207.41.

In response to a member question Brian provided information regarding the club's past donations for repeater maintenance. Over the past five years the club's monthly average donation rate to Danny equals approximately

\$180/month. This financial support goes towards the upkeep of the Blackjack repeater (145.21) which is one of the longest range 2m repeaters in the state, as well as providing support for the Piedmont Coastal Repeater Network generally. The meeting attendees concurred that this level of financial support provides good value to the club and ham radio in general.

The current paid SWARC membership count stands at 61. Our newest members for this fiscal year are:

Wally NC1NC and Joan KM4GDS Courie

Col. Dave Yow K4MSE

Ken Castillo KN4GUS

“Doc” and Dee Dee Cochran – K8ZLA

Sandy Gerli AC1Y

Thank you for supporting SWARC with your membership!

The North Carolina QSO Party is coming up and scheduled for 10 am to 8 pm EST on February 28, 2021. Once again SWARC will be a primary sponsor of the Single-Op / In-State / Phone (Low Power) award winner.

Richard (K7RLH) has drafted a standard operating procedure for the club’s wonderful new radio room. The SOP has been drafted to encourage use of the radio room by SWARC members. The SOP describes what equipment is available for the member’s use and how it should be left after use. The SWARC radio room is a great opportunity to try out radios and antennas you may not have used before so come out and give the shack a whirl! Contact Richard to get the room access code.

Main Presentation:

*“What Are You Going To Do in HAM Radio In 2021”*

Richard led a round robin discussion of opportunities HAMs might consider exploring in 2021. Ideas and opportunities discussed were:

- ✓ Public service – there are a number of events and charities which benefit from HAM communication services including MS, the Fuquay Christmas parade, Run the Quay, to name a few.

- ✓ Daily and Nightly nets – the club offers two nets a day, The Geezer and Gerzerette noontime net and the traditional 7:30pm nighttime net. Ideas for 2021 included consideration of having a ‘topic’ net periodically during the nighttime net to share ideas and experience on a given HAM topic.
- ✓ Fox Hunting (Direction Finding) – joining fellow HAMs in tracking down spurious or intentional signals, or organized fox hunting events.
- ✓ Elmering – a lot of new HAMs are getting their first ticket on a regular basis and many have little prior experience. Elmering offers a great way to help new HAMs get into the hobby with confidence and bring new members into the club.
- ✓ Radio Demo to a new HAM – take advantage of the club’s new radio shack and demo some of the equipment to a new HAM.
- ✓ Build a Go Box or Go Portable – assemble your go box for portable field operations, Field Day, or Aux Comm and get outside!
- ✓ Antenna Building – building wire dipoles or other antenna configurations can be a fun learning experience and keeps our minds focused on bands, SWR, equipment, line losses, etc.
- ✓ HAM License Testing – while a lot of ARRL-sponsored testing has been curtailed by the pandemic, FCHRE (Laurel VEC) has been successfully testing in Raleigh. We keep the number of applicants to four (4) in each test session and hold multiple sessions on the first Saturday of each month. If you hold a General or Extra class license you can help administer these exams. This is a great way to ensure the future vitality of HAM radio.

As with the January club meeting these round robin discussions have proven to be an extremely popular meeting format and everyone enjoyed hearing the plans of others for 2021.

Brian concluded the meeting at 8:26pm.

# From the Editor (reprinted with permission of [bigbendarc.com](http://bigbendarc.com) - 8/2020)

How can people get in trouble out here?

This is the basic question asked by a group of concerned residents on the Terlingua Ranch. Many of the challenges to life in Brewster, Presidio, and Jeff Davis counties can use the help of HAM radio. Let's explore answers to this question.

1. Serious - The distance between places (stores, fuel) is generally 30 to 50 miles. Cell phone reception is limited to towns, not the roads away from town. The remoteness, proximity to the border, and desert environment add what the Olympic divers call degree of difficulty to every situation.
2. Vehicular - The best way to destroy a vehicle is to take it to south county. Off the pavement, rocks, thorns, mud and other adventures await vehicles. Breaking down, flats, battery issues, and overheating occur more frequently.
3. Medical - On top of the normal medical emergencies are the bonus of flora and fauna, remoteness, and desert heat in the summer. Helicopter insurance is highly recommended, but the chopper only reaches down 118 to trash can hill, an hour drive up from Terlingua. There are six species of rattlesnakes in the area, including the Mojave, short on temper and long on venom, as David Alloway quips.
4. Navigational - Terlingua Ranch backroads, South County Road, Agua Fria Road and many others have the exceptional ability to get super lost while seeing 50 miles. The chances of seeing another vehicle are remote. Navigation problems quickly lead to no fuel problems.
5. Weather - There is no NWS radar for south county, so keep looking up. The power failing (and internet access) is the early warning sign. There is the bonus of flash flood from a storm two days ago 100 miles away. And, again, mud.
6. Criminal - The area may have more ATF, DEA, ICE, Border Patrol, NPS Park Rangers, TPWD Park Rangers, TPWD Game Wardens, State Troopers, and

Sheriffs than residents. There is a reason for this LE presence. And our added crime bonus is that people come out here thinking they can do anything they want. Lawrence Parent's book "Death in the Big Bend" is a mosaic of the crazy things people do.

7. Multiple - Last but not least is the reality that all bad situation are complex, so experiencing all the above at once, is normal. Maybe luck is only having one at a time.

So how does HAM radio help? The 2m repeaters are nearly always accessible and working. People are listening, many at home with a phone handy. The repeaters broadcast NWS warnings. The 2m net provides weekly practice on the repeaters. Daily use of the HT creates competence so that in the moment of an emergency, operating the radio is second nature.

HAM pursuits breed preparation, knowledge, equipment, and involvement. The vehicle will have the go bag. The radio has emergency power. GPS is integrated into the radio gear. Monitoring catches the weather alerts, calls for help, and familiarity with operators in the area. We are the ants!

Scott KI5ANQ

# South Wake Amateur Radio Club

## Treasurer Report January 2021

### South Wake Amateur Radio Club Treasurer Report January 2021

#### Club Addition and Reduction Activity

##### Additions

Dues	35.00	ck# 20129	Wally (NC1NC) and Joan (KM4GDS) Courie
Dues	30.00	ck# 1294	David Yow (K4MSE)
Dues	30.00	ck# 1292	Kenneth Castille (KN4GUS)
Dues	37.50	ck# 3224	Dwight (K9ZLA) and DeeDee (no call yet) Cochran
Dues	15.00	ck# 143	Alexander Gerli (AC1Y)

**Total Additions**                      147.50

##### Reductions

Danny Hampton	600.00	ck# 1697	Donation for repeater repair
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**Total Reductions**                      600.00

#### Bank Account Activity

Balance as of 12/07/2020	1659.91		
Addition	147.50		
Reduction	600.00		

**Balance as of  
02/01/2021**                      1207.41

Christine Fernandini KJ4AEO 02/01/2021

# MEMBERSHIP

Just a reminder that it is that time again to pay membership dues.

\$30 for individual and \$5 for each family member.

You can bring a check or cash to the next meeting or mail them to the club PO box and Christy will let me know she has received them so I can update the list. If you mail them, give me a heads up so I can mark it as pending on the roster.

Makes checks payable to South Wake ARC.

If you are going to mail it, send it to South Wake ARC – PO Box 1565 – Fuquay Varina, NC 27526

I will be developing an online form so new members can fill out the application online and mail or bring a check to a meeting.

I will be reaching out to all members here soon to make sure I have the latest contact information, addresses, etc so I can make sure the membership list reflects current information.

Thanks

Ryan Avery

NC4RA

[rwavery@charter.net](mailto:rwavery@charter.net)





# Public Service

*Check the RARS web site often for Public Service opportunities.*

## BOARD OF DIRECTORS

## Appointed Positions

### President

Brian Knox – KK4BK

### Vice President

Richard Hall – K7RLH

### Secretary

Andy McDaniel – KN4JJU

### Treasurer

Christy Fernandini - KJ4AEO

### Member-At-Large

Al Crawford –

WA4TCJ Member-At-

Large Bernie Jones –

N4BAJ Member-At-

Large

Mike Gaither –

K4MWG Membership

Chair Ryan Avery –

NC4RA

### NET MANAGER

Steve – KA0GMY

### Special Events Director

Gino Fernandini –KI4YXO

### Public Service Director

David Krum – NW3U

## SWARC Mission Statement

South Wake ARC's primary purpose is to further the Amateur Radio Service through programs, activities, and education, in order to promote the radio knowledge, fraternalism and individual operating efficiency of our members. Further, it shall be our purpose to support the welfare of our community through public service including radio communications for emergency situations and public events, and through providing information, training, and assistance to individuals or organizations with an interest in the Amateur Radio Service.

**LINKS** (if you have other links you want added then send them to me)

***PRN***

***A Wide Area Digital Amateur Radio Network*** [www.ncprn.net](http://www.ncprn.net)

***GigaParts*** [www.gigaparts.com](http://www.gigaparts.com)

***QRZ*** [www.qrz.com](http://www.qrz.com)

***Ham Radio Outlet HRO*** [www.hamradio.com](http://www.hamradio.com)

***Raleigh Amateur Radio Society RARS*** [www.rars.org](http://www.rars.org)

***Johnson Amateur Radio Society JARS*** [www.jars.net](http://www.jars.net)

***South Wake Amateur Radio Club SWARC*** [www.southwakearc.com](http://www.southwakearc.com)

***Big Bend ARC*** <https://www.bigbendarc.com>

There are events going on all the time: you got Islands on the Air (IOTA), and then there is working Light Houses, don't forget all the special events there is something new each week. Here is one for you

Mark, N4MQU is always setting up and working from different locations or likes to run different nets as the net control. See how many times you can work Mark in his different rolls during the week. If nothing else take your radio to the backyard and work some stations.

Just have fun.

# ATTENTION

Hearing lots of new call signs in the nightly nets, and during the day. Please engage with them, make them feel welcome, and help them with their new found hobby or skill set.

## ARRL News

### **MARS Announces Schedule of Dates for 60-Meter Interoperability**

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02/03/2021

The Military Auxiliary Radio System (MARS) has announced dates in 2021 during which MARS members will operate on 60 meters for interoperability with the amateur radio community. Some dates coincide with quarterly Department of Defense Communications Exercises (COMEX). All exercises will begin on channel 1 as the initial calling channel and move to other 60-meter working channels as may be appropriate.

“In addition to voice calls, I want to introduce passing ICS 213 messages in both voice and digital modes to enhance the overall interop experience,” said US Army MARS Chief Paul English, WD8DBY. “Our exercises will yield the frequencies to other scheduled exercises or mission activations, which may be called by other agencies for interop support (e.g., hurricane, wildfire, etc). We regularly instruct MARS members to work cooperatively with the amateur radio community during the use of the 60-meter interop channels. We will continue to track our 60-meter usage and activities. <http://www.arrl.org/news/mars-announces-schedule-of-dates-for-60-meter-interoperability>

### **ARISS and Partners Are Investigating Space Station Ham Radio Failure**

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01/29/2021

Amateur Radio on the International Space Station (**ARISS**) and its partners are troubleshooting a failure within the on-board NA1SS amateur station in the ISS *Columbus* module. The problem does not appear to be with the radio equipment in Columbus, however. ARISS realized the problem when a contact with a school in Wyoming, between ON4ISS on Earth and astronaut Mike Hopkins, KF5LJG, at NA1SS, had to abort when no downlink signal was heard.

“Today was a tough one for ARISS,” ARISS-International Chair Frank Bauer, KA3HDO, began in a message on January 28 to the ARISS team. Bauer explained that during a January 27 spacewalk to install exterior cabling on the ISS *Columbus* module, the current coax feed line installed 11 years ago was replaced with another built by the European Space Agency (ESA) and Airbus. It included two additional RF connectors to support the commissioning of the **Bartolomeo** payload-hosting platform installed last spring on *Columbus*. <http://www.arrl.org/news/ariss-and-partners-are-investigating-space-station-ham-radio-failure>

## 2021 Propagation Summit Session Recordings Available

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01/27/2021

YouTube recordings and PDF files from the **2021 Propagation Summit** hosted on January 23 by Contest University are available. More than 1,000 logged in for the sessions. Each presentation begins approximately on the hour. You can advance the video to the presentation you wish to view.

- 11 AM – “Update on the Personal Space Weather Station Project and HamSCI Activities for 2021” by Dr. Nathaniel Frissell, W2NAF
- 12 Noon – “Solar Cycle 25 Predictions and Progress” by Carl Luetzelschwab, K9LA
- 1 PM – “Maximizing Performance of HF Antennas with Irregular Terrain” by Jim Breakall, WA3FET
- 2 PM – “HF Propagation: What to Expect During the Rising Years of Solar Cycle 25,” by Frank Donovan, W3LPL.

Slides decks are available for each presentation in PDF format: **Frissell**; **Luetzelschwab**; **Breakall**, and **Donovan**.

<http://www.arrl.org/news/2021-propagation-summit-session-recordings-available>

## A New Version of WSJT-X is Now Available

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02/02/2021

The *WSJT* Development Group has announced the general availability release of *WSJT-X* Version 2.3.0. A summary of new features can be found in the *WSJT-X* 2.3 [User Guide](#). The [Release Notes](#) offer additional information, including a list of important program changes since the *WSJT-X* 2.2. Upgrading from earlier versions of *WSJT-X* should be seamless, and it's not necessary to uninstall a previous version or move any files. **Installation packages** for Windows, Linux, and Macintosh are available. A release candidate (i.e., beta version) *WSJT-X* version 2.4.0-rc will be available soon. Its main new feature is a mode called Q65, with unique capabilities for EME and scatter propagation modes. <http://www.arrl.org/news/a-new-version-of-wsjt-x-is-now-available>

# Upcoming Contest <https://www.contestcalendar.com/contestcal.html>

## February 2021

+ K1USN Slow Speed Test	0000Z-0100Z, Feb 1
+ OK1WC Memorial	1630Z-1729Z, Feb 1
+ RSGB 80m Club Championship, SSB	2000Z-2130Z, Feb 1
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Feb 2
+ ARS Spartan Sprint	0200Z-0400Z, Feb 2
+ RTTYOPS Weeksprint	1700Z-1900Z, Feb 2
+ QRP Fox Hunt	0200Z-0330Z, Feb 3
+ Phone Weekly Test - Fray	0230Z-0300Z, Feb 3
+ CWops Mini-CWT Test	1300Z-1400Z, Feb 3
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Feb 3
+ CWops Mini-CWT Test	1900Z-2000Z, Feb 3
+ UKEICC 80m Contest	2000Z-2100Z, Feb 3
+ CWops Mini-CWT Test	0300Z-0400Z, Feb 4
+ RTTYOPS Weeksprint	1700Z-1900Z, Feb 4
+ NRAU 10m Activity Contest	1800Z-1900Z, Feb 4 (CW) and 1900Z-2000Z, Feb 4 (SSB) and 2000Z-2100Z, Feb 4 (FM) and 2100Z-2200Z, Feb 4 (Dig)
+ SKCC Sprint Europe	2000Z-2200Z, Feb 4
+ NCCC RTTY Sprint	0145Z-0215Z, Feb 5
+ QRP Fox Hunt	0200Z-0330Z, Feb 5
+ NCCC Sprint Ladder	0230Z-0300Z, Feb 5
+ K1USN Slow Speed Test	2000Z-2100Z, Feb 5
+ Vermont QSO Party	0000Z, Feb 6 to 2400Z, Feb 7
+ 10-10 Int. Winter Contest, SSB	0001Z, Feb 6 to 2359Z, Feb 7
+ EurAsia HF Championship	0800Z-1700Z, Feb 6
+ F9AA Cup, CW	1200Z, Feb 6 to 1200Z, Feb 7
+ Mexico RTTY International Contest	1200Z, Feb 6 to 2359Z, Feb 7
+ FYBO Winter QRP Sprint	1400Z-2400Z, Feb 6
+ Minnesota QSO Party	1400Z-2400Z, Feb 6
+ FISTS Saturday Sprint	1600Z-1800Z, Feb 6
+ British Columbia QSO Party	1600Z, Feb 6 to 0359Z, Feb 7 and 1600Z-2359Z, Feb 7
+ AGCW Straight Key Party	1600Z-1900Z, Feb 6
+ European Union DX Contest	1800Z, Feb 6 to 1800Z, Feb 7
+ North American Sprint, CW	2300Z, Feb 6 to 0300Z, Feb 7
+ K1USN Slow Speed Test	0000Z-0100Z, Feb 8
+ ARRL School Club Roundup	1300Z, Feb 8 to 2359Z, Feb 12
+ OK1WC Memorial	1630Z-1729Z, Feb 8
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Feb 9
+ RTTYOPS Weeksprint	1700Z-1900Z, Feb 9
+ NAQCC CW Sprint	0130Z-0330Z, Feb 10
+ QRP Fox Hunt	0200Z-0330Z, Feb 10
+ Phone Weekly Test - Fray	0230Z-0300Z, Feb 10
+ CWops Mini-CWT Test	1300Z-1400Z, Feb 10
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Feb 10

+ CWops Mini-CWT Test	1900Z-2000Z, Feb 10
+ RSGB 80m Club Championship, Data	2000Z-2130Z, Feb 10
+ CWops Mini-CWT Test	0300Z-0400Z, Feb 11
+ RTTYOPS Weeksprint	1700Z-1900Z, Feb 11
+ NCCC RTTY Sprint	0145Z-0215Z, Feb 12
+ QRP Fox Hunt	0200Z-0330Z, Feb 12
+ NCCC Sprint	0230Z-0300Z, Feb 12
+ K1USN Slow Speed Test	2000Z-2100Z, Feb 12
+ CQ WW RTTY WPX Contest	0000Z, Feb 13 to 2359Z, Feb 14
+ SARL Field Day Contest	1000Z, Feb 13 to 1000Z, Feb 14
+ Asia-Pacific Spring Sprint, CW	1100Z-1300Z, Feb 13
+ Dutch PACC Contest	1200Z, Feb 13 to 1200Z, Feb 14
+ KCJ Topband Contest	1200Z, Feb 13 to 2359Z, Feb 14
+ SKCC Weekend Sprintathon	1200Z, Feb 13 to 2400Z, Feb 14
+ YLRL YL-OM Contest	1400Z, Feb 13 to 0200Z, Feb 15
+ HamCation QSO Party	1500Z, Feb 13 to 0300Z, Feb 14
+ OMISS QSO Party	1500Z, Feb 13 to 1500Z, Feb 14
+ Feld Hell Sprint	1900Z-2059Z, Feb 13
+ RSGB 1.8 MHz Contest	1900Z-2300Z, Feb 13
+ AWA Amplitude Modulation QSO Party	2300Z, Feb 13 to 2300Z, Feb 14
+ PODXS 070 Club Valentine Sprint	0000Z-2359Z, Feb 14
+ Balkan HF Contest	1300Z-1700Z, Feb 14
+ K1USN Slow Speed Test	0000Z-0100Z, Feb 15
+ 4 States QRP Group Second Sunday Sprint	0100Z-0300Z, Feb 15
+ CQC Winter QSO Party	0100Z-0259Z, Feb 15
+ OK1WC Memorial	1630Z-1729Z, Feb 15
+ RSGB FT4 Contest Series	2000Z-2130Z, Feb 15
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Feb 16
+ RTTYOPS Weeksprint	1700Z-1900Z, Feb 16
+ QRP Fox Hunt	0200Z-0330Z, Feb 17
+ Phone Weekly Test - Fray	0230Z-0300Z, Feb 17
+ CWops Mini-CWT Test	1300Z-1400Z, Feb 17
+ CWops Mini-CWT Test	1900Z-2000Z, Feb 17
+ AGCW Semi-Automatic Key Evening	1900Z-2030Z, Feb 17
+ CWops Mini-CWT Test	0300Z-0400Z, Feb 18
+ RTTYOPS Weeksprint	1700Z-1900Z, Feb 18
+ NCCC RTTY Sprint	0145Z-0215Z, Feb 19
+ QRP Fox Hunt	0200Z-0330Z, Feb 19
+ NCCC Sprint	0230Z-0300Z, Feb 19
+ K1USN Slow Speed Test	2000Z-2100Z, Feb 19
+ ARRL Inter. DX Contest, CW	0000Z, Feb 20 to 2400Z, Feb 21
+ Russian PSK WW Contest	1200Z, Feb 20 to 1159Z, Feb 21
+ FISTS Sunday Sprint	2100Z-2300Z, Feb 21
+ Run for the Bacon QRP Contest	2300Z, Feb 21 to 0100Z, Feb 22
+ K1USN Slow Speed Test	0000Z-0100Z, Feb 22
+ QCX Challenge	1300Z-1400Z, Feb 22
+ OK1WC Memorial	1630Z-1729Z, Feb 22
+ QCX Challenge	1900Z-2000Z, Feb 22
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Feb 23
+ QCX Challenge	0300Z-0400Z, Feb 23

+ RTTYOPS Weeksprint	1700Z-1900Z, Feb 23
+ SKCC Sprint	0000Z-0200Z, Feb 24
+ QRP Fox Hunt	0200Z-0330Z, Feb 24
+ Phone Weekly Test - Fray	0230Z-0300Z, Feb 24
+ CWops Mini-CWT Test	1300Z-1400Z, Feb 24
+ CWops Mini-CWT Test	1900Z-2000Z, Feb 24
+ UKEICC 80m Contest	2000Z-2100Z, Feb 24
+ CWops Mini-CWT Test	0300Z-0400Z, Feb 25
+ RTTYOPS Weeksprint	1700Z-1900Z, Feb 25
+ RSGB 80m Club Championship, CW	2000Z-2130Z, Feb 25
+ NCCC RTTY Sprint	0145Z-0215Z, Feb 26
+ QRP Fox Hunt	0200Z-0330Z, Feb 26
+ NCCC Sprint	0230Z-0300Z, Feb 26
+ K1USN Slow Speed Test	2000Z-2100Z, Feb 26
+ CQ 160-Meter Contest, SSB	2200Z, Feb 26 to 2200Z, Feb 28
+ REF Contest, SSB	0600Z, Feb 27 to 1800Z, Feb 28
+ FTn DX Contest	1200Z, Feb 27 to 1200Z, Feb 28
+ UBA DX Contest, CW	1300Z, Feb 27 to 1300Z, Feb 28
+ South Carolina QSO Party	1500Z, Feb 27 to 0159Z, Feb 28
+ NA Collegiate Championship, RTTY	1800Z, Feb 27 to 0559Z, Feb 28
+ North American QSO Party, RTTY	1800Z, Feb 27 to 0559Z, Feb 28
+ High Speed Club CW Contest	1400Z-1700Z, Feb 28
+ Classic Exchange, CW	1400Z, Feb 28 to 0800Z, Mar 1 and 1400Z, Mar 2 to 0800Z, Mar 3
+ North Carolina QSO Party	1500Z, Feb 28 to 0059Z, Mar 1



